

# MATERIAL SAFETY DATA SHEET

POLYGUARD PRODUCTS, INC.

ESSENTIALLY SIMILAR TO  
OSHA FORM - 174

<b>Manufacturer's Name</b> POLYGUARD PRODUCTS, INC.		<b>TELEPHONE NUMBER</b> (972) 875-8421		<b>N F P A *** FIRE HAZARDS IDENTIFICATION SYSTEM</b>	
<b>Address:</b> P.O. Box 755, Ennis Texas, 75120		<b>Date</b> 4/4/05			
<b>FOR EMERGENCY ASSISTANCE CALL</b> POLYGUARD - (800) 541-4994 (DAY) OR CHEMTREC - (800) 424-9300 (24 HOURS)					
<b>Trade Name &amp; Synonyms - Cold Weather Water Based Activator</b>					
<b>Chemical Name or Composition - Water</b> Emulsion Latex		<b>Chemical Family -</b> Latex		<b>Formula -</b> Proprietary	

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMIT	AGCIH - THRESHOLD LIMIT VALUES	IS PRODUCT LISTED IN NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL REPORT ON CARCINOGENS?	IF PRODUCT HAS BEEN EVALUATED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), DESCRIBE RESULTS.	HAS PRODUCT BEEN FOUND TO BE A POTENTIAL CARCINOGEN BY OSHA?	% BY WGT.
Ammonia Hydroxide	1336-21-6	25 ppm	25 ppm	NO	NOT LISTED	NO	<1.0
Water	7732-18-5	NA	NA	NO	NOT LISTED	NO	>30%

\*\*\* NFPA 49 - Hazardous Chemical Data

\*\*\*\* This chemical is subject to the reporting requirements of Section 313 of SARA Title III

- A. IARC definitions:
- GROUP 1: *Carcinogenic to humans*
  - GROUP 2A: *Probably carcinogenic to humans*
  - GROUP 2B: *Possibly carcinogenic to humans*
  - GROUP 3: *Not classifiable as to carcinogenic or non carcinogenic to humans*
  - GROUP 4: *Probably not carcinogenic to humans*

## SECTION III - PHYSICAL DATA

<b>APPEARANCE AND ODOR:</b> Grey Liquid			
<b>BOILING POINT (°F)</b>	212° F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b>	1.3
<b>VAPOR PRESSURE (mm Hg)</b>	N/D	<b>PERCENT, VOLATILE BY VOLUME (%)</b>	43
<b>VAPOR DENSITY (AIR = 1)</b>	N/D	<b>EVAPORATION RATE (ETHER = 1)</b>	N/D
<b>SOLUBILITY IN WATER</b>	Excellent	<b>VOC g / L</b>	0

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>EXTINGUISHING MEDIA</b> Water, Foam, Dry Chemical	<b>FLASH POINT (Method used)</b> None	<b>FLAMMABLE LIMITS</b>	<b>LEL</b>	N/D
			<b>UEL</b>	N/D
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> - Keep personnel up wind of fire. Full protective equipment.				
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> - DO NOT let it mix with other chemicals or acids.				

## SECTION V - REACTIVITY DATA

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b> Freezing temperatures
	<b>STABLE</b>	X	

<b>INCOMPATIBILITY (Materials to Avoid) - Acids</b>			
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS - Carbon Monoxide, Carbon dioxide</b>	<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>	
		<b>WILL NOT OCCUR</b>	X

<b>SECTION VI - HEALTH HAZARD DATA</b>			
<b>CONDITIONS TO AVOID -</b> Excessive temperatures over 120°F	<b>ROUTES OF ENTRY -</b> INHALATION (X)	SKIN (X)	INGESTION ( )
<b>HEALTH HAZARD (Acute Over Exposure) -</b> <b>SKIN -</b> Redness, itching <b>EYE -</b> Highly alkaline substances may cause irreversible eye damage. Protection must be worn. <b>INHALATION -</b> Avoid inhalation of vapors. Ammonium vapors will be present at less than the deminis level to require it listed as a hazardous substance but in closed areas and calm wind may require workers to use a respirator to avoid excessive fumes.			
<b>HEALTH HAZARD (Chronic Over Exposure)-</b> Not Established			
<b>CARCINOGEN LISTED BY -</b> NTP? (N/D) IARC MONOGRAPHS? (N/D) OSHA REGULATED? (N/D)			
<b>EMERGENCY AND FIRST AID PROCEDURES -</b> <b>SKIN -</b> Wash area of contact thoroughly with soap and water. <b>EYES -</b> Rinse off with water thoroughly for 15 minutes. Get medical attention. <b>INGESTION -</b> Get medical attention immediately.			

<b>SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED -</b> <b>SMALL SPILL:</b> Broadcast absorbent material, let soak. Collect and discard. <b>LARGE SPILL:</b> Contain spill. Fill in suitable containers for disposal. <b>DO NOT DISCHARGE TO STREAMS, LAKES OR PONDS.</b>
<b>WASTE DISPOSAL METHOD -</b> Follow local, state and federal regulations for disposal.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING -</b> Store at room temperature. Keep out of reach of children. Keep container closed when not in use.
<b>OTHER PRECAUTIONS -</b> N/D

<b>SECTION VIII - CONTROL MEASURES</b>
<b>RESPIRATORY PROTECTION -</b> May not be required except in closed areas then use of NIOSHA air respirator is required if TLV's are exceeded
<b>VENTILATION -</b> Mechanical <b>LOCAL EXHAUST -</b> Yes <b>MECHANICAL -</b> Yes
<b>PROTECTIVE GLOVES -</b> Work gloves.
<b>EYE PROTECTION -</b> Wear goggles.
<b>OTHER PROTECTIVE EQUIPMENT -</b> Work clothes
<b>WORK - HYGIENIC PRACTICES -</b> Wash with soap and water when finished.

<b>D.O.T. STATUS</b>		
D.O.T. HAZARDOUS MATERIAL	D.O.T. SHIPPING NAME AND NUMBER	D.O.T. HAZARD CLASS
NO	NOT RESTRICTED	NOT RESTRICTED